



PATENT  
514413-3525

**IN THE UNITED STATES PATENT AND TRADEMARK**

Applicant : Streber et al.  
Serial No. : 07/322,604  
Filed : March 10, 1989  
Title : MICROORGANISMS AND PLASMIDS FOR  
2,4-DICHLOROPHENOXYACETIC ACID  
(2,4-D) MOXYGENASE FORMATION AND  
PROCESS FOR THE PRODUCTION OF THESE  
PLASMIDS AND STRAINS  
Group Art Unit : 1646  
Examiner : John Ulm

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Date of Deposit: May 24, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, DC 20231.

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Assistant Commissioner for Patents  
Washington, D.C. 20231  
Attn: Box Issue Fee

**COMMUNICATION FORWARDING FORMAL DRAWINGS  
AND PETITION TO ACCEPT PHOTOGRAPHS UNDER 37 C.F.R. 1.84(b)**

Sir:

Applicants submit this document in response to the Notice of Allowability mailed May 11, 2000, calling for formal drawings and in response to the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached to Paper No. 7.

Applicants enclose 17 sheets of new formal drawings (Figures 1 to 14) which have been prepared in accordance with the requirements of the Notice of Draftsperson's Patent Drawing Review, PTO-948, and the Notice of Allowability.

Figures 12a, 12b, 14a and 14b are black and white photographs and are submitted as photographs because they are otherwise incapable of being accurately or adequately depicted by ink drawings. Each of these photographs are submitted in triplicate and are properly mounted on photographic double weight paper. The original photographs mounted on bristol board paper were submitted in related application Serial No. 08/470,588. The formal drawings for application 08/470,588 and the present application are identical. If necessary, Applicants respectfully request that the Patent Office access the bristol board photographs from application Serial No. 08/470,588.

Pursuant to the provisions of 37 CFR 1.84(b), Applicants hereby petition the Commissioner to accept these photographs as formal drawings. Any requisite fee for this Petition, including the fee under 37 CFR §1.17(h), may be charged to Deposit Account No. 50-0320.

Applicant's draftsman prepared formal drawings (ink drawings) for figures 8 and 9. Therefore, no petition for the acceptance of photographs for these figures is believed to be required.

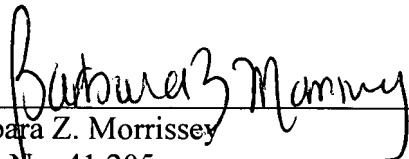
It is submitted that these formal drawings (Figures 1 to 14) fully comply with 37 C.F.R. 1.84 and 1.152 and should now be acceptable.

If any fee is determined to be due for entry and consideration of these formal drawings, the Commissioner is hereby authorized to charge any fee or credit any overpayment to Deposit Account No. 50-0320.

Consideration and entry of the enclosed formal drawings into the file of this  
application are respectfully requested.

Respectfully submitted,

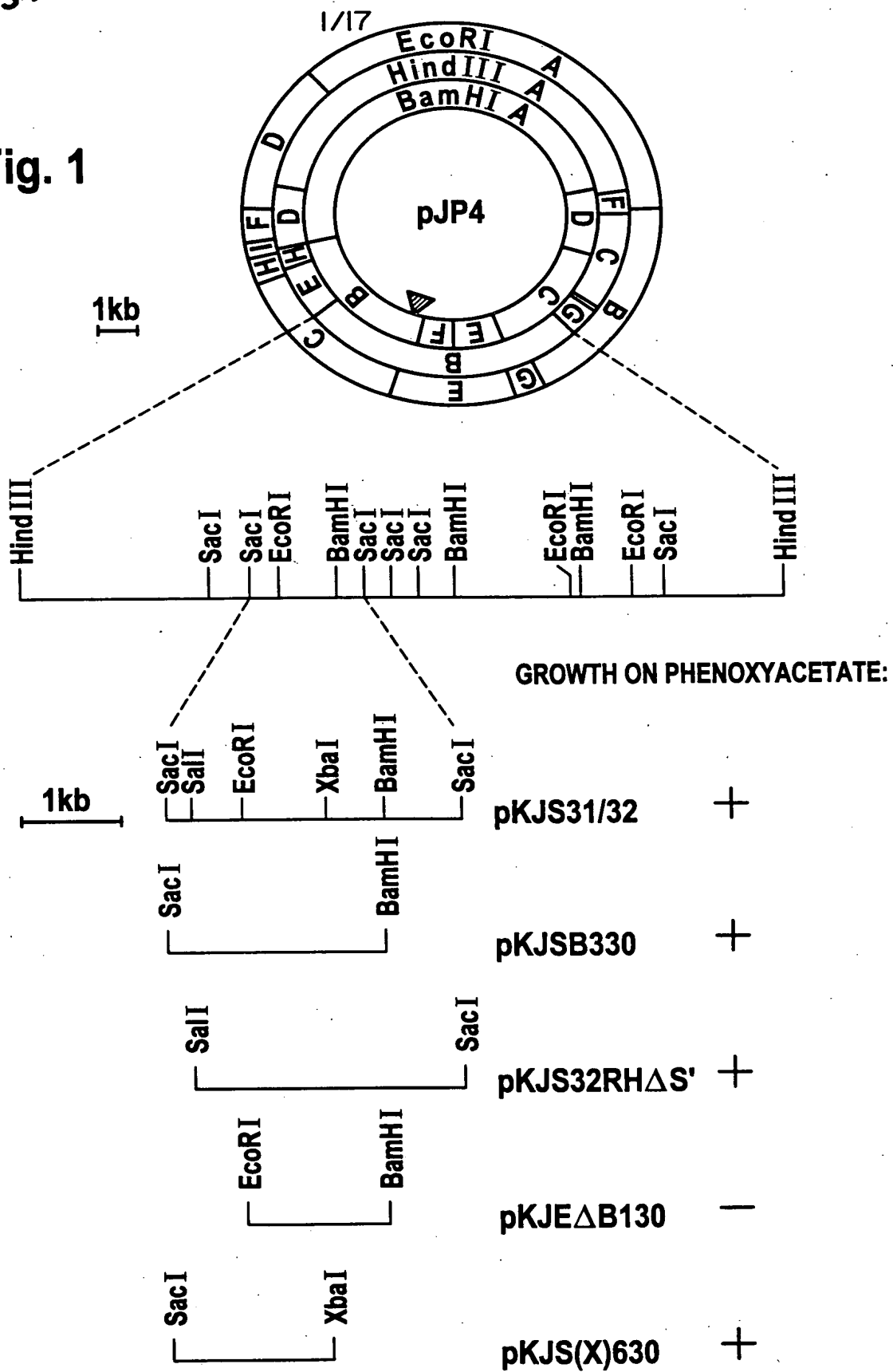
FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicant

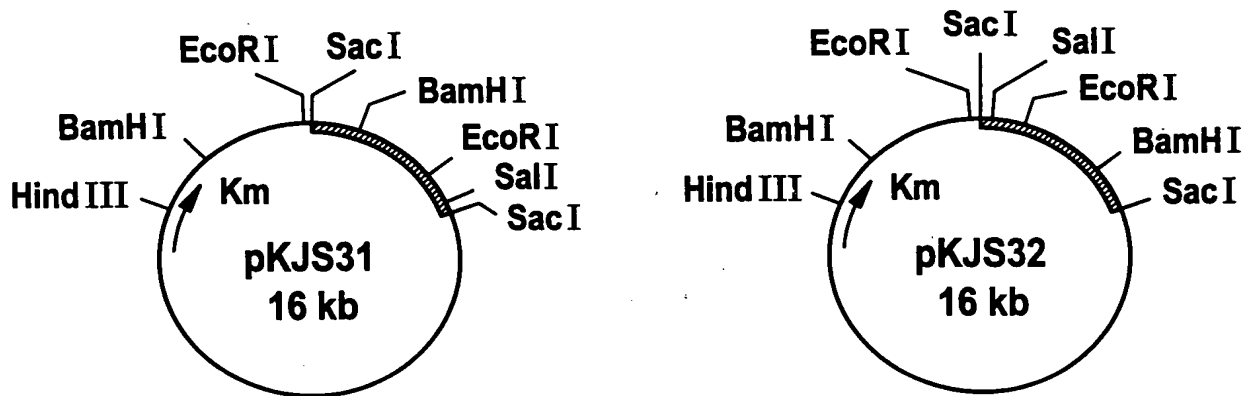
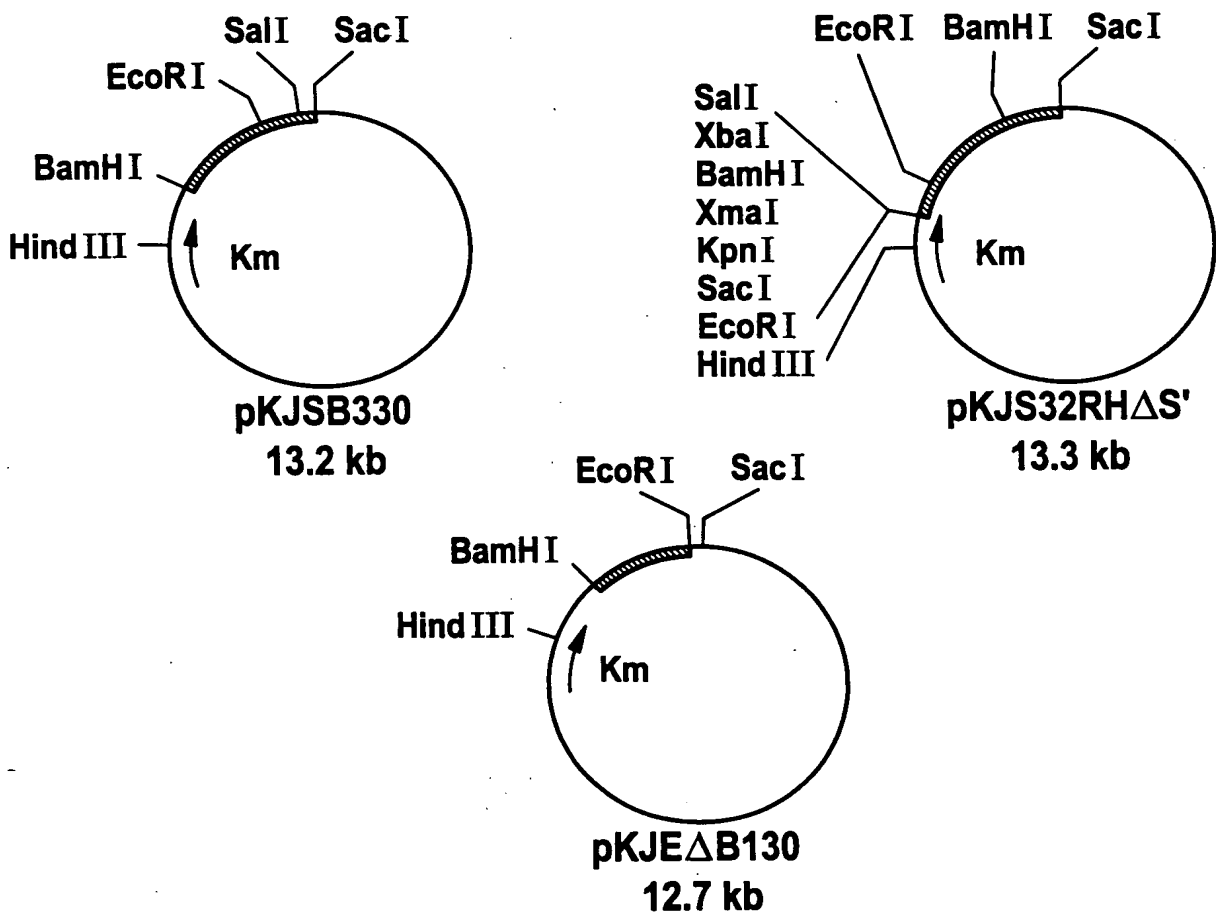
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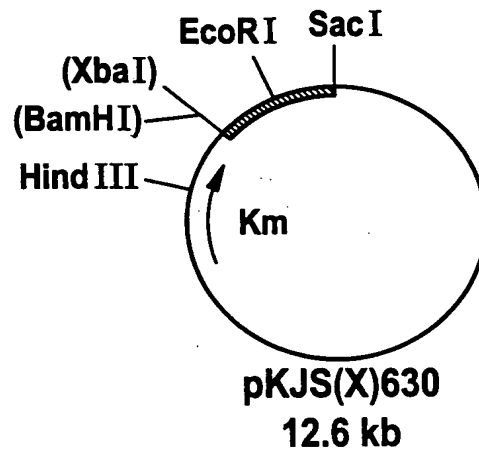
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Fig. 1

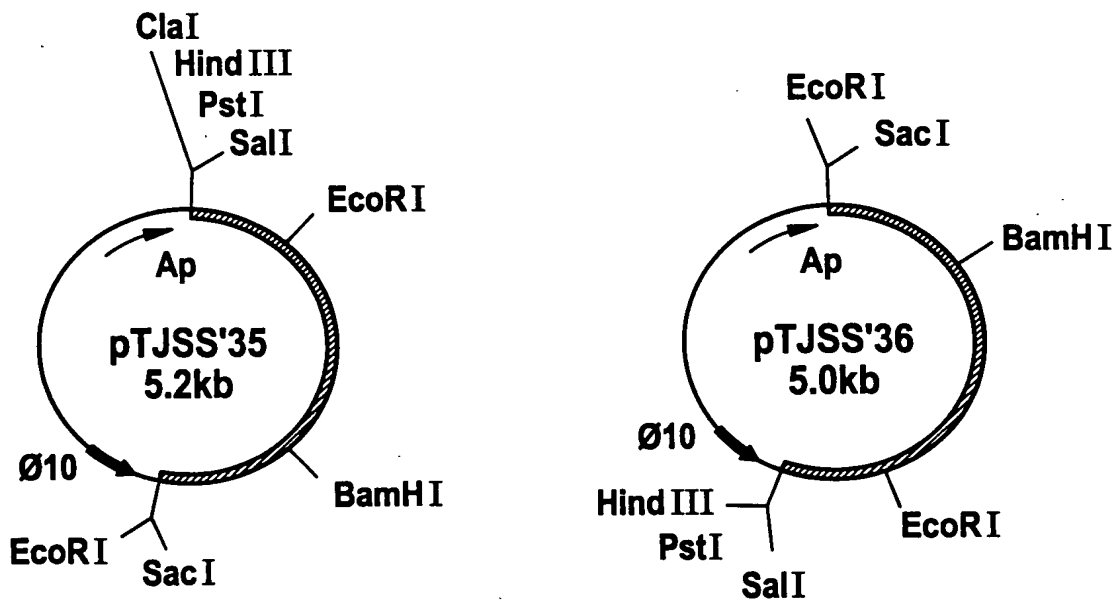


**Fig. 2****Fig. 3**

**Fig. 4**



**Fig. 5**



**Fig. 6**

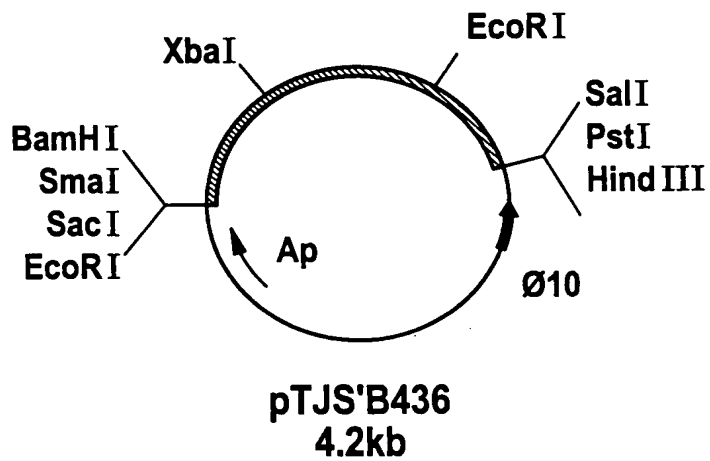
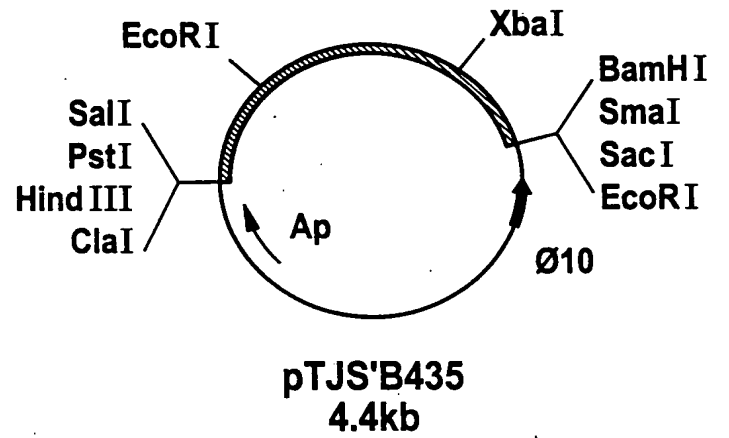
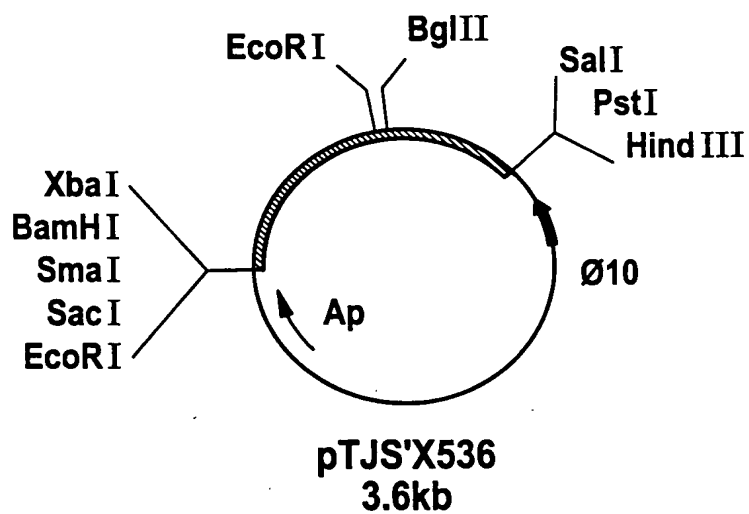
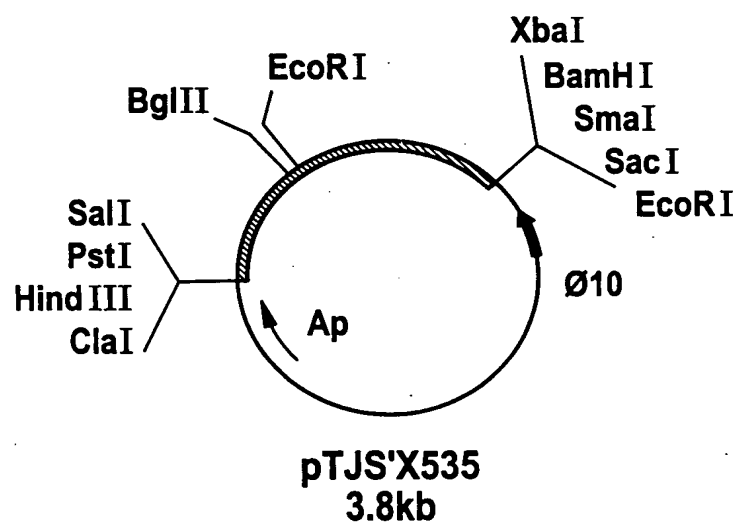
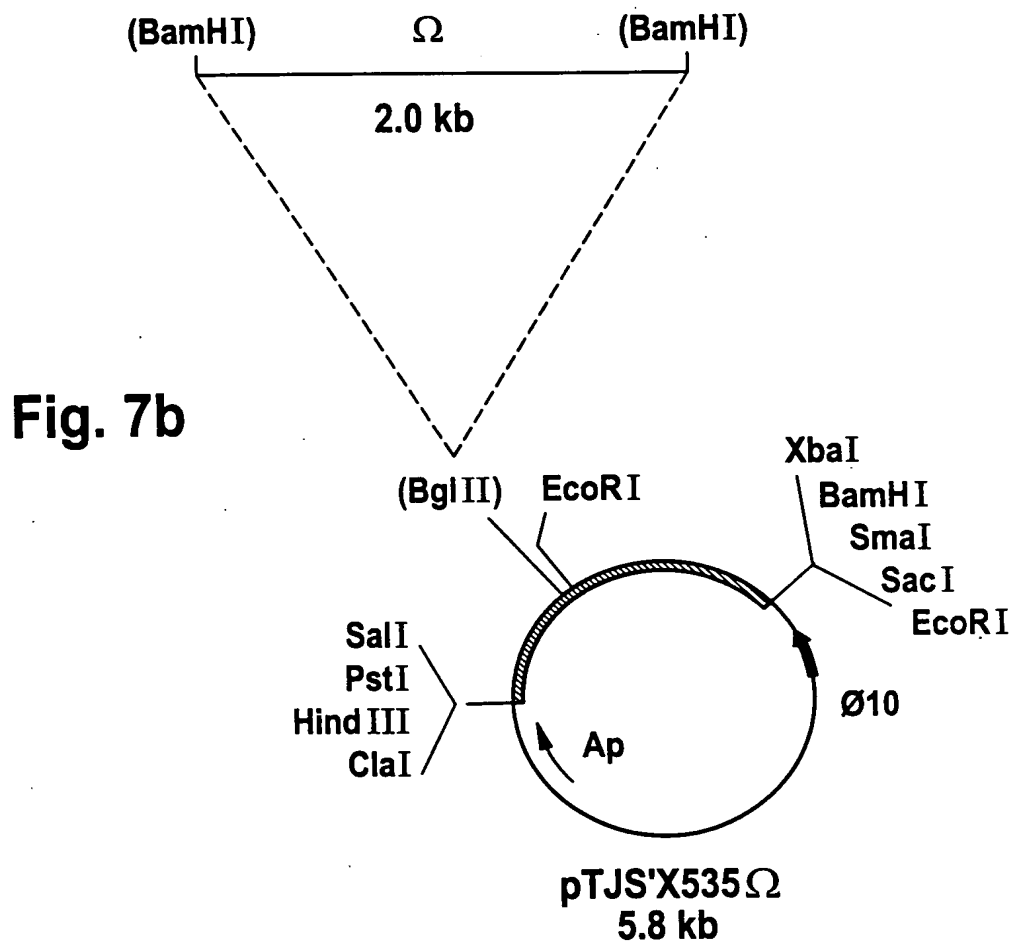


Fig. 7a

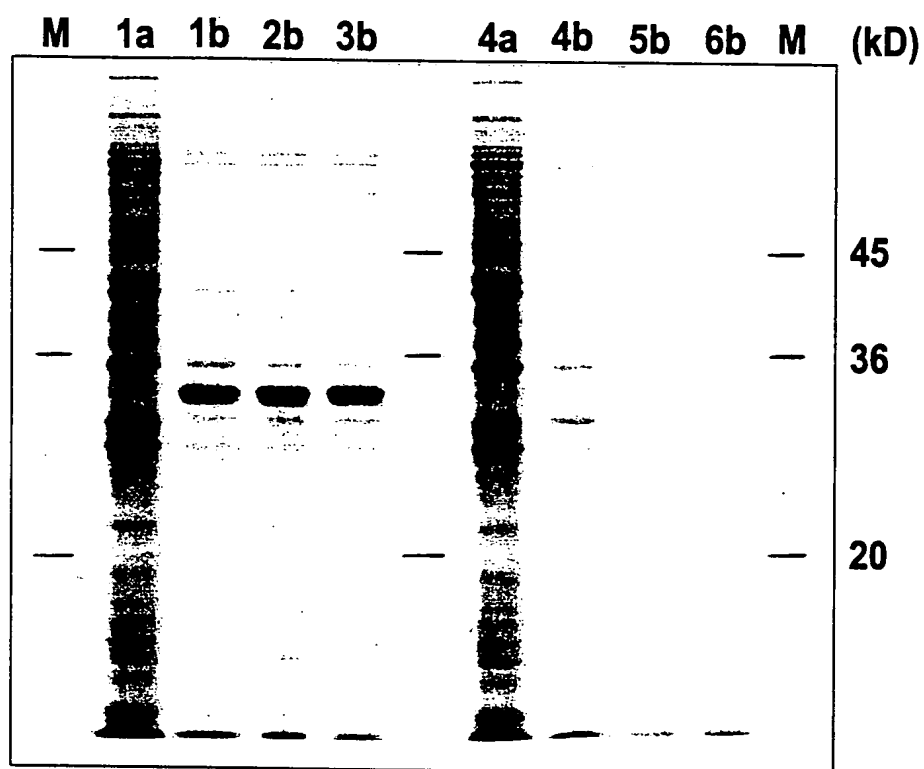






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**Fig. 8**



**Fig. 9**

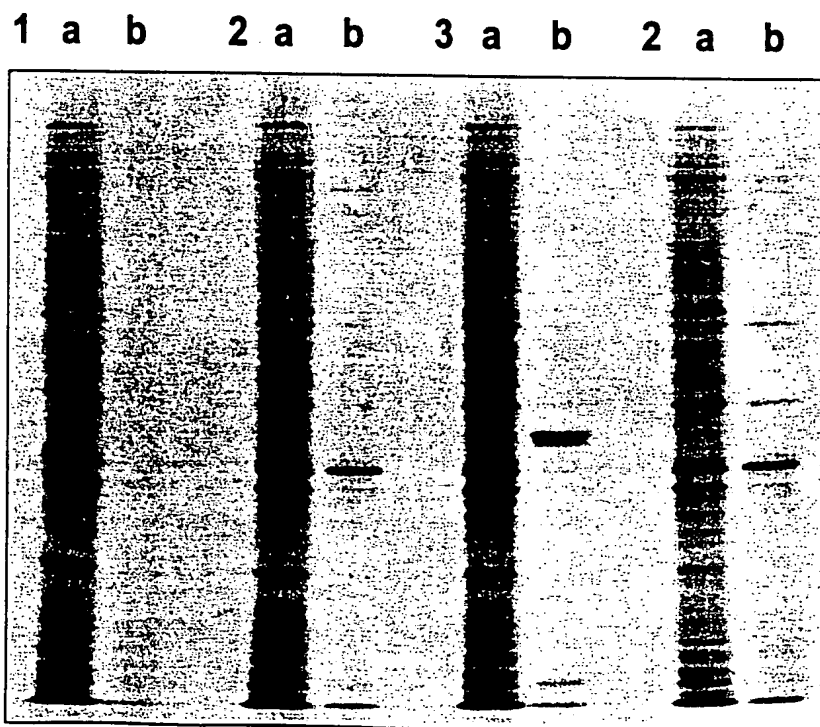


Fig.10a-1

10	20	30	40	50	60
GGATCCTGTCTCAGCTGGCGCGCAATGCTCGAACCCGCTGCGATATACAGCCGTTTCGTAG					
70	80	90	100	110	120
TGCAGGTGCTCCACCGTGATTCCAGGCTCCTGGGGTAGAAGCGGCCGACACCGAGATGG					
130	140	150	160	170	180
ATGGTGCCGGCACGCAGGGCCTCGATCTGCCGCACCTTGGGCATCAGGGCCAGAGACAGC					
190	200	210	220	230	240
GTCGCCCCCGGACCGCCTGCGTGAACGCATGGAGCAATGCCGGGACGGTCTGGTAGATC					
250	260	270	280	290	300
GCCGTGCCGAGGTAGCCGATATCGAGTTGGCCGATCTCGCCCCGGCTGGCGCGGGGAC					
310	320	330	340	350	360
CGGTCCACGGAAGTCCGACCCAGTTCGAGCATGCGCCGTGCATCTTCGAGAAACGCGGCC					
370	380	390	400	410	420
GCGGCGGGCGTGAGCTGCACGCCGCGCGCTGCGCTCGAACAACAACGCCCCAGATGC					
430	440	450	460	470	480
TGTTTCGAGCCGTGAATCTGTGCGGTGACCGGGGCTGGGAAATATGCAGCCGCCCGCGG					
490	500	510	520	530	540
GCGGCACCGACGTTGCCCTCCTCCCGGCAGCAACGAAATAGCGAAGCTGTGAAACTCC					

Fig.10a-2

550	560	570	580	590	600
ATTCTTCACTCCTGGTGGCTGGCTCCGGCTGCCGGAGAGCCATACCGATCCCGTATCGCT					
610	620	630	640	650	660
CGCGCTGATGGAAGGTATTAGACCATATGGCCCGGCATTTCTAGACTACCGCATGATAA					
670	680	690	700	710	720
AACTCGGCTGCTCTCTCGTCTGCTGGAACATCTTCAGGCCGCGCTGAGCCGCTTTTGTGAA					
730	740	750	760	770	780
ACAGTCTCTTAGAAAAGGAGCAGCAAAAAGTGAGCGTCTGTCGCAAAATCCCCCTTCATCCTCTT					
790	800	810	820	830	840
TTCGCCGCAGGGGTCGAAGACATCGACCTTCGAGAGGCCCTTGGGTTTCGACCCGAGGTCCGA					
850	860	870	880	890	900
GAGATCGAACGGCTAATGGACGAGAAGTCGGTGCTGGTGTTCGGGGGCGACGCCCTGAGT					

Fig. 10a-3

910	920	930	940	950	960
CAGGATCAGCAGATCGCCTTCGCGCGCAATTTCGGGCCACTCGAAGGCGGTTTCATCAAG					
970	980	990	1000	1010	1020
GTCAATCAAGACCTTCGAGATTCAAGTACGCGGAGTTGGCGGACATCTCGAACGTCAGT					
1030	1040	1050	1060	1070	1080
CTCGACGGCAAGGTCGCGCAACGCGATGCGCGGAGGTGTCGGGAACCTTCGCGAACCAG					
1090	1100	1110	1120	1130	1140
CTCTG6CACAGCGACAGCTCCTTTTCAGCAACCTGCTGCCCGCTACTCGATGCTCTCCGCG					
1150	1160	1170	1180	1190	1200
GTGGTGGTTCCGCCGTCGGGGCGGACACCGAGTTCTGCGACATGCGTGGGCATACGAC					
1210	1220	1230	1240	1250	1260
GGGCTGCCCTCGGGACCTCCAATCCGAGTTGGAAGGGCTGCGTGCCGAGCACTACGCACTG					

Fig. 10b-1

1270 1280 1290 1300 1310 1320  
AACTCCCGCTTCCTGCTCGGCGACACCGACTATTTCGGAAGCGCAACGCAATGCCATGCCG  
1330 1340 1350 1360 1370 1380  
CCGGTCAACTGGCCGCTGGTTTCGAACCCACGCCGGCTCCGGGGCGCAAGTTTCTCTTCATC  
1390 1400 1410 1420 1430 1440  
GGCGGCACGCGAGCCACGTCGAAGGCCTTCCGGTGGCCGAAGGCCGGATGCTGCTTGCG  
1450 1460 1470 1480 1490 1500  
GAGCTTCTCGAGCACGCGACACAGCGGGAATTCTGTGTACCGGCATCGCTGGAACGTGGGA  
1510 1520 1530 1540 1550 1560  
GATCTCGTGATGTGGGACAACCGCTGCGTTCTTCACCGCGGACGACGTACGACATCTCG  
1570 1580 1590 1600 1610 1620  
GCCAGGCGTGAGCTGCGCCGGCGGACCAACCCTGGACGATGCCGTCGTC|TAGCGCACGCCA  
1630 1640 1650 1660 1670 1680  
TGGCGCACGCCCTTTTCGCGAAGGCCCCCAAGATGTACGCAACCCTGATCAGCGGCAGC

# Fig.10b-2

1690 1700 1710 1720 1730 1740  
CGTAGCCTGGACGGCGACACCTTGGCGCAGCGGTCCTTCGAGCGCGGCGCCTGGCG

1750 1760 1770 1780 1790 1800  
GCATGGGGATTGAGGCCCGGTGATGTCGTGCCCATCCTCATGCGCAATGACTTTCGGTG

1810 1820 1830 1840 1850 1860  
CTCGAAATGACGCTGGCCGCGAACCGCGCGCATCGTTGCGGTGCCCTTTGAACTGGCAT

1870 1880 1890 1900 1910 1920  
GCGAACCGGACGAGATCGCCCTTCATCCTCGAGGACTGCAAGCGCGTGTGCTCGTCGCG

1930 1940 1950 1960 1970 1980  
CACACCGATCTGCTCAAGGGCGTTGCATCCGCGGTGCCCGAGGCCCTGCAAGGTGCTGGAA

1990 2000 2010 2020 2030 2040  
GCCGCGTCGCCGCCGAGATCCGGCAGGCCCTATCGGCTGTCCGATGCGTGTGCACGGCG

2050  
AACCCGGGCACGGTCGAC

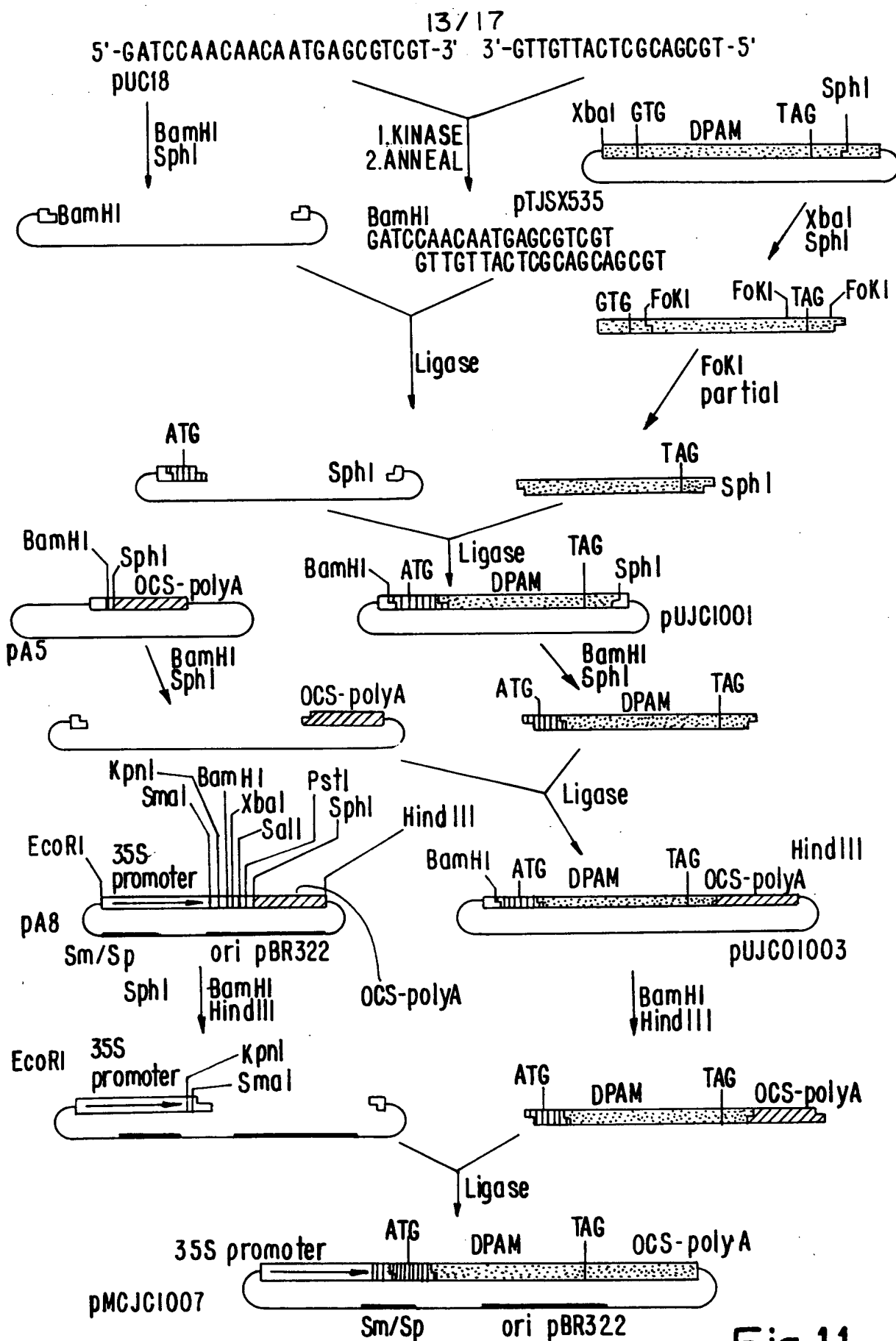


Fig.11



Fig. 12a

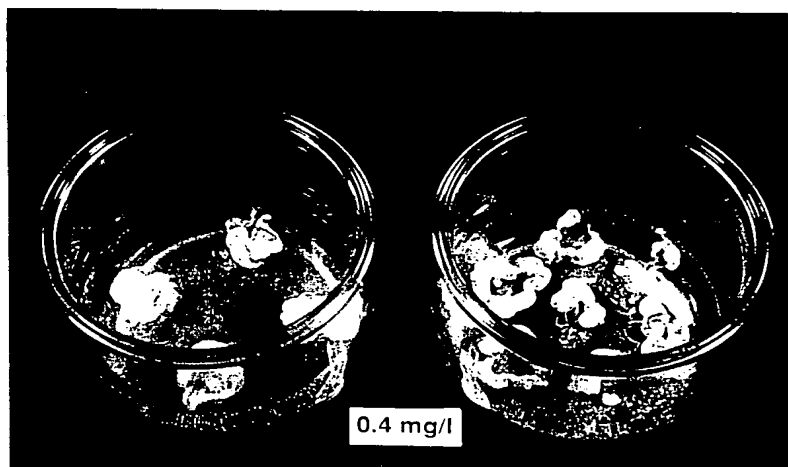
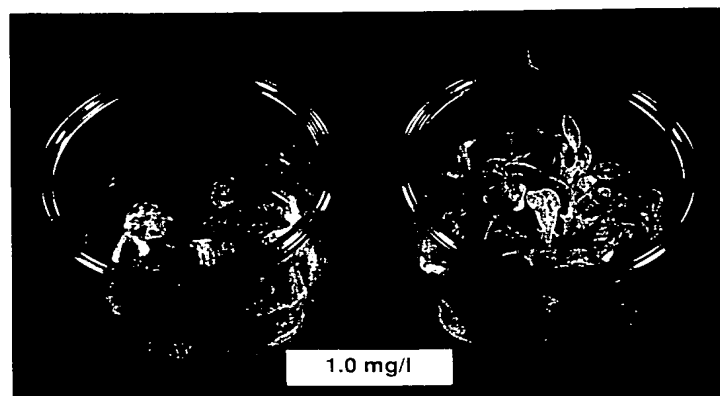
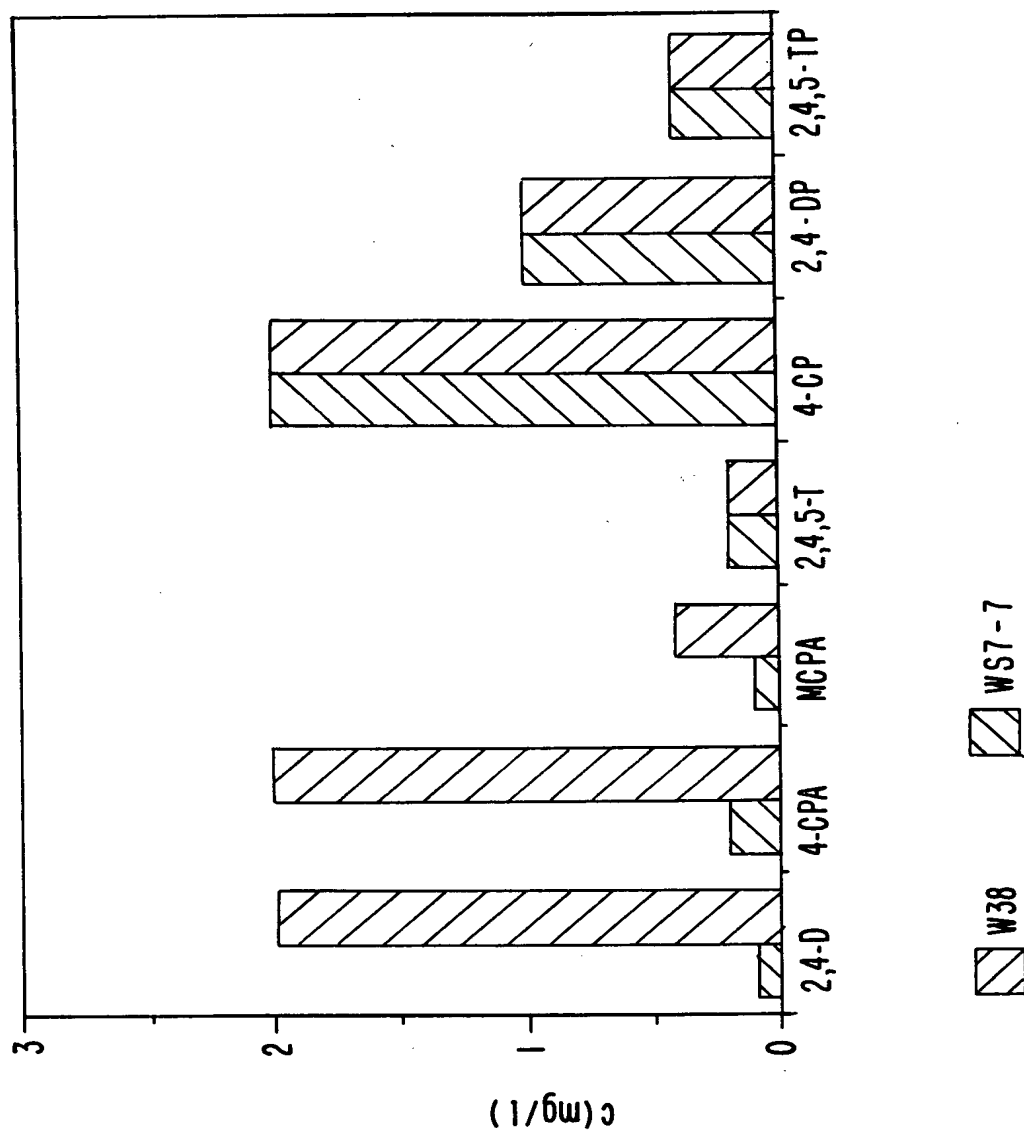


Fig. 12b

Fig.13



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Fig. 14a

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Fig. 14b